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TITLE : CERAMIC THERMAL SPRAYING MATERIAL

ABSTRACT : PURPOSE: To obtain a ceramic thermal spraying material giving a thermal sprayed film having a fine and fast light brown color by blending specified percentages of MnO₂, SiO₂ and Al₂O₃.

CONSTITUTION: A ceramic thermal spraying material consisting of 1~20wt% MnO₂, 10~30wt% SiO₂ and 50~80wt% Al₂O₃ is prep'd. When the thermal spraying material is used, a thermal sprayed film having a light brown color as well as satisfactory hardness, toughness and wear resistance is formed on a base material such as a building material without damaging the base material.

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